

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 6/28/2016 TO: 6/28/2016

Reference	Event	Inspect				Inspection	Inspection	Affected		Event	Break	Root Cause	Corr Action
Number	Status	Date	Facility	Oven	Agy	Reason	Type	Standard	Dev	Descript	Down	Desc.	Desc.
1639778	OPEN	06/28/16 07:00	BATTERY 19	C10	U	Routine	STACK 20%	SIP		56 Rdg => 20%		HEATING: first time charge after maintenance.	
1639678	OPEN	06/28/16 02:00	BATTERY 15	B15	U	Routine	STACK 20%	SIP		63 Rdg => 20%		HEATING: HOLE ON FLOOR OF PUSHER SIDE	

Confidential Business Information

6/28/2016

<<<<< North

South >>>>>

COKE SIDE

1	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-
	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-
	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-

PUSHER SIDE

6/28/2016

<<<<< North

South >>>>>

COKE SIDE

2	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-
	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-
	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-

PUSHER SIDE

6/28/2016

<<<<< North

South >>>>>

COKE SIDE

3	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-
	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-
	-	A01	-	A02	-	A03	-	A04	-	A05	-	A06	-	A07	-	A08	-	A09	-	A10	-	A11	-	A12	-	A13	-	A14	-	A15	-	A16	-	A17	-	A18	-	A19	-	A20	-	A21	-	A22	-	A23	-	A24	-	A25	-	A26	-	A27	-	A28	-	A29	-	A30	-	A31	-	B01	-	B02	-	B03	-	B04	-	B05	-	B06	-	B07	-	B08	-	B09	-	B10	-	B11	-	B12	-	B13	-	B14	-	B15	-	B16	-	B17	-	B18	-	B19	-	B20	-	B21	-	B22	-	B23	-	B24	-	B25	-	B26	-	B27	-	B28	-	B29	-	B30	-	B31	-	C01	-	C02	-

PUSHER SIDE

Normal Rotation	170
30 Hour	0
24 Hour	0
Work Into Series	6
48 Hour	0
Double Cycle	10

Patcher	0
Fosbel/United	0
Purge	0
MT For Repair > 8 hrs	0
Permanently Banked	0
Sticker	0

Minimum Net Coking Time	22
Total # Of Ovens On Unit	192
Empty for Normal Decarbonization	4
Total Ovens Out (36,24,wis,dbl cycle,etc.)	-12.5
Total Ovens Available	175.5

Projected Schedule Based On Availability	191.45
--	--------

Confidential Business Information

6/28/2016

<<<<< South

COKE SIDE

North >>>>>

13	-	A01	-
	-	A02	-
	-	A03	-
	-	A04	-
	-	A05	-
	-	A06	-
	-	A07	-
	-	A08	-
	-	A09	-
	-	A10	-
	-	A11	-
	-	A12	-
	-	A13	-
	-	A14	-
	-	A15	-
	-	A16	-
	-	A17	-
	-	A18	-
	-	A19	-
	-	A20	-
	-	A21	-
	-	A22	-
	-	A23	-
	-	A24	-
	-	A25	-
	-	A26	-
	-	A27	-
	-	A28	-
	-	A29	-
	-	A30	-
	-	A31	-
	-	B01	-
	-	B02	-
	-	B03	-
	-	B04	-
	-	B05	-
	-	B06	-
	-	B07	-
	-	B08	-
	-	B09	-
	-	B10	-
	-	B11	-
	-	B12	-
	-	B13	-
	-	B14	-
	-	B15	-
	-	B16	-
	-	B17	-
	-	B18	-
	-	B19	-
	-	B20	-
	-	B21	-
	-	B22	-
	-	B23	-
	-	B24	-
	-	B25	-
	-	B26	-
	-	B27	-
	-	B28	-
	-	B29	-
	-	B30	-

PUSHER SIDE

6/28/2016

<<<<< South

COKE SIDE

North >>>>>

14	-	A01	-
	-	A02	-
	-	A03	-
	-	A04	-
	-	A05	-
	-	A06	-
	-	A07	-
	-	A08	-
	-	A09	-
	-	A10	-
	-	A11	-
	-	A12	-
	-	A13	-
	-	A14	-
	-	A15	-
	-	A16	-
	-	A17	-
	-	A18	-
	-	A19	-
	-	A20	-
	-	A21	-
	-	A22	-
	-	A23	-
	-	A24	-
	-	A25	-
	-	A26	-
	-	A27	-
	-	A28	-
	-	A29	-
	-	A30	-
	-	A31	-
	-	B01	-
	-	B02	-
	-	B03	-
	-	B04	-
	-	B05	-
	-	B06	-
	-	B07	-
	-	B08	-
	-	B09	-
	-	B10	-
	-	B11	-
	-	B12	-
	-	B13	-
	-	B14	-
	-	B15	-
	-	B16	-
	-	B17	-
	-	B18	-
	-	B19	-
	-	B20	-
	-	B21	-
	-	B22	-
	-	B23	-
	-	B24	-
	-	B25	-
	-	B26	-
	-	B27	-
	-	B28	-
	-	B29	-
	-	B30	-

PUSHER SIDE

6/28/2016

<<<<< South

COKE SIDE

North >>>>>

15	-	A01	-
	-	A02	-
	-	A03	-
	-	A04	-
	-	A05	-
	-	A06	-
	-	A07	-
	-	A08	-
	-	A09	-
	-	A10	-
	-	A11	-
	-	A12	-
	-	A13	-
	-	A14	-
	-	A15	-
	-	A16	-
	-	A17	-
	-	A18	-
	-	A19	-
	-	A20	-
	-	A21	-
	-	A22	-
	-	A23	-
	-	A24	-
	-	A25	-
	-	A26	-
	-	A27	-
	-	A28	-
	-	A29	-
	-	A30	-
	-	A31	-
	-	B01	-
	-	B02	-
	-	B03	-
	-	B04	-
	-	B05	-
	-	B06	-
	-	B07	-
	-	B08	-
	-	B09	-
	-	B10	-
	-	B11	-
	-	B12	-
	-	B13	-
	-	B14	-
	-	B15	-
	-	B16	-
	-	B17	-
	-	B18	-
	-	B19	-
	-	B20	-
	-	B21	-
	-	B22	-
	-	B23	-
	-	B24	-
	-	B25	-
	-	B26	-
	-	B27	-
	-	B28	-
	-	B29	-
	-	B30	-

PUSHER SIDE

Normal Rotation	178
30 Hour	0
24 Hour	0
Work Into Series	1
48 Hour	0
Double Cycle	0

Patcher	2
Fosbel/United	1
Purge	0
MT For Repair > 8 hrs	0
Permanently Banked	1
Slicker	0

Minimum Net Coking Time	36
Total # Of Ovens On Unit	183
Empty for Normal Decarbonization	0
Total Ovens Out (36,24,ws,dsl cycle,etc.)	-2.75
Total Ovens Available	180.25
Projected Schedule Based On Availability	120.17

Confidential Business Information

South >>>>>

19

-	C29	C28
-	C27	C26
-	C25	C24
-	C23	C22
-	C21	C20
-	C19	C18
-	C17	C16
-	C15	C14
-	C13	C12
-	C11	C10
-	C09	C08
-	C07	C06
-	C05	C04
-	C03	C02
-	C01	B29
-	B28	B27
-	B26	B25
-	B24	B23
-	B22	B21
-	B20	B19
-	B18	B17
-	B16	B15
-	B14	B13
-	B12	B11
-	B10	B09
-	B08	B07
-	B06	B05
-	B04	B03
-	B02	B01
-	A29	A28
-	A27	A26
-	A25	A24
-	A23	A22
-	A21	A20
-	A19	A18
-	A17	A16
-	A15	A14
-	A13	A12
-	A11	A10
-	A09	A08
-	A07	A06
-	A05	A04
-	A03	A02

South >>>>>

20

-	C29	-	C28	-
-	C27	-	C26	-
-	C25	-	C24	-
-	C23	-	C22	-
-	C21	-	C20	-
-	C19	-	C18	-
-	C17	-	C16	-
-	C15	-	C14	-
-	C13	-	C12	-
-	C11	-	C10	-
-	C09	-	C08	-
-	C07	-	C06	-
-	C05	-	C04	-
-	C03	-	C02	-
-	C01	-	B29	-
-	B28	-	B27	-
-	B26	-	B25	-
-	B24	-	B23	-
-	B22	-	B21	-
-	B20	-	B19	-
-	B18	-	B17	-
-	B16	-	B15	-
-	B14	-	B13	-
-	B12	-	B11	-
-	B10	-	B09	-
-	B08	-	B07	-
-	B06	-	B05	-
-	B04	-	B03	-
-	B02	-	B01	-
-	A29	-	A28	-
-	A27	-	A26	-
-	A25	-	A24	-
-	A23	-	A22	-
-	A21	-	A20	-
-	A19	-	A18	-
-	A17	-	A16	-
-	A15	-	A14	-
-	A13	-	A12	-
-	A11	-	A10	-
-	A09	-	A08	-
-	A07	-	A06	-
-	A05	-	A04	-
-	A03	-	A02	-

Normal Rotation	171
30 Hour	0
24 Hour	0
Work Into Series	3
48 Hour	0
Double Cycle	0

Patcher	0
Fosbel/United	0
Purge	0
MT For Repair > 8 hrs	0
Permanently Banked	0
Sticker	0

Minimum Net Coking Time	35.5
Total # Of Ovens On Unit	174
Empty for Normal Decarbonization	0
Total Ovens Out (36,24,wis,dbl cycle,etc.)	-0.75
Total Ovens Available	173.25

Projected Schedule Based On Availability	117.13
--	--------

Confidential Business Information

6/28/2016

<<<<< South

North >>>>>

COKE SIDE

B	-	A01	-
	-	A02	-
	-	A03	-
	-	A04	-
	-	A05	-
	-	A06	-
	-	A07	-
	-	A08	-
	-	A09	-
	-	A10	-
	-	A11	-
	-	A12	-
	-	A13	-
	-	A14	-
	-	A15	-
	-	A16	-
	-	A17	-
	-	A18	-
	-	A19	-
	-	A20	-
	-	A21	-
	-	A22	-
	-	A23	-
	-	A24	-
	-	A25	-
	-	A26	-
	-	A27	-
	-	A28	-
	-	A29	-
	-	A30	-
	-	A31	-
	-	A32	-
	-	A33	-
	-	A34	-
	-	A35	-
	-	A36	-
	-	A37	-
	-	A38	-
	-	B01	-
	-	B02	-
	-	B03	-
	-	B04	-
	-	B05	-
	-	B06	-
	-	B07	-
	-	B08	-
	-	B09	-
	-	B10	-
	-	B11	-
	-	B12	-
	-	B13	-
	-	B14	-
	-	B15	-
	-	B16	-
	-	B17	-
	-	B18	-
	-	B19	-
	-	B20	-
	-	B21	-
	-	B22	-
	-	B23	-
	-	B24	-
	-	B25	-
	-	B26	-
	-	B27	-
	-	B28	-
	-	B29	-
	-	B30	-
	-	B31	-
	-	B32	-
	-	B33	-
	-	B34	-
	-	B35	-
	-	B36	-
	-	B37	-

PUSHER SIDE

Normal Rotation	75
30 Hour	0
24 Hour	0
Work Into Series	0
48 Hour	0
Double Cycle	0

Patcher	0
Fosbel/United	0
Purge	0
MT For Repair > 8 hrs	0
Permanently Banked	0
Sticker	0

Minimum Net Coking Time	22.5
Total # Of Ovens On Unit	75
Empty for Normal Decarbonization	-1
Total Ovens Out (36,24,wis,dbl cycle,etc.)	0
Total Ovens Available	74

Projected Schedule Based On Availability	78.93
--	-------

Note: To get accurate printouts, do not print until all batteries are correctly filled in for the day.

Confidential Business Information

6/28/2016

<<<< South

North >>>>

COKE SIDE

C	C01	-
	C02	-
	C03	-
	C04	-
	C05	-
	C06	-
	C07	-
	C08	-
	C09	-
	C10	-
	C11	-
	C12	-
	C13	-
	C14	-
	C15	-
	C16	-
	C17	-
	C18	-
	C19	-
	C20	-
	C21	-
	C22	-
	C23	-
	C24	-
	C25	-
	C26	-
	C27	-
	C28	-
	C29	-
	C30	-
	C31	-
	C32	-
	C33	-
	C34	-
	C35	-
	C36	-
	C37	-
	C38	-
	C39	-
	C40	-
	C41	-
	C42	-
	C43	-
	C44	-
	C45	-
	C46	-
	C47	-
	C48	-
	C49	-
	C50	-
	C51	-
	C52	-
	C53	-
	C54	-
	C55	-
	C56	-
	C57	-
	C58	-
	C59	-
	C60	-
	C61	-
	C62	-
	C63	-
	C64	-
	C65	-
	C66	-
	C67	-
	C68	-
	C69	-
	C70	-
	C71	-
	C72	-
	C73	-
	C74	-
	C75	-
	C76	-
	C77	-
	C78	-
	C79	-
	C80	-
	C81	-
	C82	-
	C83	-
	C84	-

PUSHER SIDE

Normal Rotation	83
30 Hour	0
24 Hour	0
Work Into Series	0
48 Hour	0
Double Cycle	0

Patcher	1
Fosbel/United	0
Purge	0
MT For Repair > 8 hrs	0
Permanently Banked	0
Sticker	0

Minimum Net Coking Time	0
Total # Of Ovens On Unit	84
Empty for Normal Decarbonization	0
tal Ovens Out (36,24,wis,dbl cycle,etc.)	-0.25
Total Ovens Available	83.75

ected Schedule Based On Availability	0
--------------------------------------	---

Note: To get accurate printouts, do not print until all batteries are correctly filled in for the day.

Confidential Business Information

hagedorn, james

From: Mike Dzurinko <MDzurinko@uss.com>
Sent: Friday, July 22, 2016 3:54 PM
To: hagedorn, james
Cc: Jonelle S Scheetz; David W Hacker
Subject: RE: [External]-Status of Response to 114 Letter
Attachments: Gore Mercury SO2 Presentation - September 2015.pdf; Morning Report 6-28-16.pdf

Jim,

Per your request:

Phone Numbers

Mike Dzurinko	(412) 233-1467
Jonelle Scheetz	(412) 233-1015
Chris Hardin	(412) 433-5904
Brett Tunno	(412) 433-5767
Dave Hacker	(412) 433-2919
Terry Redenbaugh	(412) 913-0178

Bernie Clark

(724) 777-6335

Gore Trial Presentation

Morning Report

The following are examples of morning reports that are used as discussion items in the Plant Manager's morning meeting. We ask that these reports remain CBI. I've copied Dave Hacker who was in attendance for the inspection to ensure confidentiality.

Coal Blend/Desulf Notes

I've confirmed that your notes do not need to be considered CBI

Moisture

We give our coal suppliers a spec for moisture. We aim for a consistent moisture of the coal that is charged into the batteries for proper heating.

Pictures

You did give me your memory card, and I have the pictures you took of Clairton. I did not look at anything that had a date outside of the Clairton inspection.

USS Retirees

One expert I know of is Henry Lung. He did battery inspections for us in Canada and other US sites. Unfortunately, I do not have contact info for him.

Please give me a call, if you have additional questions, or if I've missed something.

Thanks,
Mike

Michael G. Dzurinko

Director - Environmental
U. S. Steel - Mon Valley Works
400 State Street - M.S. 71
Clairton, PA 15025
Tel: (412) 233-1467
Cell: (412) 215-5862

From: "hagedorn, james" <hagedorn.james@epa.gov>
To: Mike Dzurinko <MDzurinko@uss.com>,
Date: 07/21/2016 09:46 AM
Subject: RE: [External]-Status of Response to 114 Letter

I was looking over my notes and you are going to give me info on Gore's technology for sulfur removal and on what will be done as to the tar generated at Clairton. We had that informative talk with your coal guy as to coal blend. Any of his info considered confidential? Number of mines; low vol and high vol %, % moisture, coal dollars per ton, as I took notes on all of this stuff. I would like to get an example of what you call your morning report. As I understand it, the cryogenic part of your desulf is only to get the volume of gas you are dealing with down to a lower amount. The desulf is actually a vacuum carbonate design. If you can think of anything that should be considered CBI, let me know. I believe that I gave you the memory card from the camera and there really were not that many pictures taken (doors on battery, baghouse system for pushing control, hood over hot car, etc.). There were a number of shots on air monitoring equipment on the camera but nothing too classified. Do you have anything that will reduce the moisture in the coal as that could be good for me to know for future reference elsewhere. Do you know anyone who retired from USS who really knows coke plants and oven refractory? I could use this expertise in another case that I am working on here. Just wondering.

From: Mike Dzurinko [mailto:MDzurinko@uss.com]
Sent: Tuesday, June 21, 2016 2:05 PM
To: hagedorn, james <hagedorn.james@epa.gov>
Subject: Fw: [External]-Status of Response to 114 Letter

Jim,

Please let me know, when you receive this. I'm not sure if there is a problem with our e-mail system.

Thanks,
Mike

Michael G. Dzurinko
Director - Environmental
U. S. Steel - Mon Valley Works
400 State Street - M.S. 71
Clairton, PA 15025
Tel: (412) 233-1467
Cell: (412) 215-5862

----- Forwarded by Mike Dzurinko/Headquarters/USS on 06/21/2016 02:03 PM -----

From: Mike Dzurinko/Headquarters/USS
To: "hagedorn, james" <hagedorn.james@epa.gov>,
Date: 06/20/2016 04:17 PM
Subject: Re: [External]-Status of Response to 114 Letter

Jim,

We are currently working on the information requested in the EPA's 114 Information Collection Request received on May 26th. The letter requested the information within 60 days of receipt. There is a lot of information to gather, and we are working hard and targeting July 22nd for submittal.

We have contacted all employees associated with the area where you saw the emissions from the door. There has not been a similar incident. We are also investigating if anything unusual occurred at the plant during that time frame.

Thanks,
Mike

Michael G. Dzurinko
Director - Environmental
U. S. Steel - Mon Valley Works
400 State Street - M.S. 71
Clairton, PA 15025
Tel: (412) 233-1467
Cell: (412) 215-5862

From: "hagedorn, james" <hagedorn.james@epa.gov>
To: "mdzurinko@uss.com" <mdzurinko@uss.com>,
Date: 06/20/2016 01:45 PM
Subject: [External]-Status of Response to 114 Letter

Do you know when USS will be able to get us the information? What are you doing to improve the emission control in the plant? We did see lots of emissions from the BOP Shop just because someone left the door open to the building. FYI. Thank you for your assistance.

